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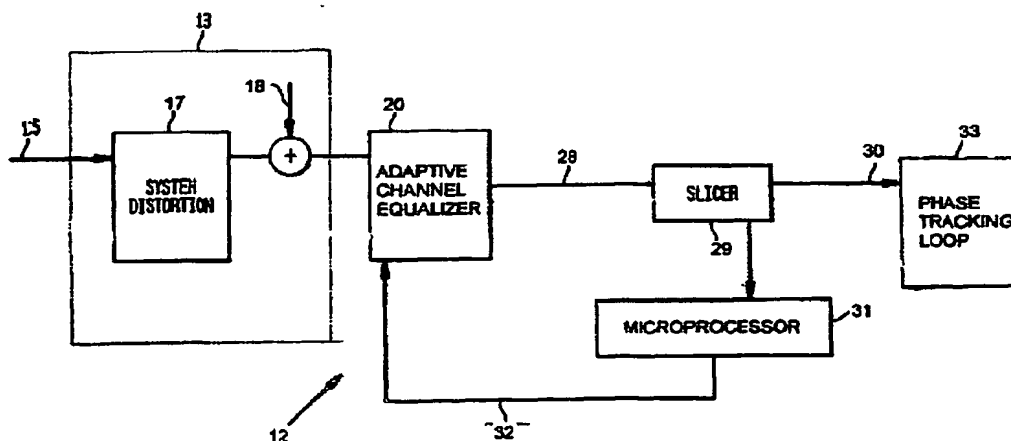
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: **EQUALIZER STATUS MONITOR**



(57) Abstract: A system for monitoring the output (28) of an adaptive channel equalizer (20) in order to determine if convergence has been achieved. A slicer (29) samples data from the equalizer (20) during a predetermined period. The output data (30) from the slicer (29) is forwarded to a microprocessor (31) in order to apply a test standard to the slicer data. For example, if one of every possible transmitted symbol is detected by the microprocessor (31), convergence is assumed to have occurred. If the test criterion is not met, a reset signal (32) is sent to the equalizer (20).

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/11002

A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H03H 7/30 US CL : 375/229 According to International Patent Classification (IPC) or to both national classification and IPC		
B. FIELDS SEARCHED Minimum documentation searched (classification system followed by classification symbols) U.S. : 375/229, 232, 233, 350; 708/322 Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) Please See Continuation Sheet		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,781,463 A (OGAWA et al.) 14 July 1998, see figure 8	1-3, 11, 12, 18, 19, 21 and 23
A	US 6,215,818 B1 (VELEZ et al.) 10 April 2001, all	1-23
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
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"P" document published prior to the international filing date but later than the priority date claimed		
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INTERNATIONAL SEARCH REPORT

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Continuation of B. FIELDS SEARCHED Item 3:

EAST

search terms: VSB, equalizer, slicer, convergence